

Appendix 3-1a: Water Year 2005 Permit-Level Data

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INTRODUCTION

This appendix includes the water quality (WQ) data for individual farms within the Everglades Agricultural Area (EAA) basin for Water Year 2005 (WY2005) (May 1, 2004 through April 30, 2005) in both tabular form and as a spatial distribution.

The permit-level data for the EAA basin are presented in **Table 1**. This table identifies separate hydraulic drainage areas (individual farms) within the permits according to the unit area or basin identification (ID) and includes each area's percent reduction for the water year compared to its baseline year. It also provides the area's flow-weighted mean total phosphorus (TP) concentration for the water year.

Permit-level data are useful for making relative comparisons between farms or between water years for the same farm only when they are used in conjunction with in-depth knowledge of unique farm characteristics. The District currently uses such relative comparisons when discussing individual farm performance and BMP optimization with permittees. Factors that affect permit-level concentrations and loads are discussed in Chapter 3 of the *2006 South Florida Environmental Report – Volume I* (see *EAA Basin Permit-Level Monitoring Results* section).

The permit-level data will only be used for compliance determination if the EAA basin does not meet the 25 percent TP load reduction requirement. The permit-level results are not used to calculate TP reduction at the EAA basin level. EAA basin-level monitoring is conducted by the South Florida Water Management District.

Table 1 lists the WQ data using the following column designations:

- **Early Baseline** is a farm that qualifies for early baseline status by having implemented Best Management Practices (BMPs) and established a baseline by a specific deadline. “Y” indicates an early baseline farm; “N” indicates that a farm does not qualify for early baseline status.
- **Baseline Year** is the water year for which the farm established its base period load.
- **Rainfall Adjusted Unit Area Load (pounds per acre, or lbs/ac):**
 - Baseline is the TP load per unit area measured for the baseline year for a farm (includes 10-year base period rainfall adjustment).
 - WY2005 is the TP load per unit area for the current water year for a farm (includes 10-year base period rainfall adjustment).

- **WY2005 Percent (%) TP Reduction** is the WY2005 load reduction for the farm compared to the baseline year.
- **WY2005 TP Concentration** (parts per billion, or ppb) is the flow-weighted mean concentration for the farm for WY2005.

Table 2 provides a detailed list of BMP equivalent points that can be applied to both the EAA and C-139 basins. It also provides a summary of BMPs that may be applied to meet compliance requirements for both basins.

Table 3 lists the current Everglades Agricultural Privilege tax credits that apply for the current year in the EAA.

Figures 1 and 2 depict the spatial distribution of TP concentrations and loads, respectively, found in the EAA. These figures are graphical representations of the data provided by individual permit holders and listed in **Table 1**. Each unit area is mapped as a whole and no attempt has been made to account for localized variations within a unit parcel.

Table 1. Permit-level data for the Everglades Agricultural Area (EAA) basin.

Unit Area ID	Basin ID	Basin Acreage	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY2005 % TP Reduction	WY2005 TP Conc. (ppb)	Comments
					Baseline	WY04			
005	26-001-01	767.8	Y	1994	2.12	0.66	69%	144.5	
191	26-002-01	897.8	N	2001	Unable to Calculate	0.00	Unable to Calculate	0.0	
200	26-003-01	599.2	N	1999	0.27	0.13	52%	112.7	
201	26-004-01	4501.6	N	1999	1.22	0.19	84%	92.4	
190	26-006-01	1198.4	N	1998	1.19	1.25	-5%	221.9	
196	26-007-01	653.3	N	1999	2.07	0.65	68%	152.4	
005	26-008-01	120.0	Y	1994	2.12	0.66	69%	144.5	
195	26-009-01	159.8	N	1999	0.74	0.40	46%	119.6	
021	26-010-01	1231.0	N	1995	1.81	1.45	20%	134.0	
012	26-010-02	9961.3	N	1995	5.83	1.03	82%	192.4	
166	50-002-01	5656.4	Y	1994	3.21	1.47	54%	188.4	
165	50-002-02	9285.4	Y	1994	2.90	1.21	58%	171.6	
047	50-003-01	242.0	Y	1994	0.40	0.52	-31%	153.0	
040	50-003-02	520.0	Y	1994	0.62	0.69	-11%	91.8	
138	50-003-03	117.6	N	1995	0.22	1.62	-629%	198.0	
093	50-003-04	320.0	Y	1994	0.91	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (46.8% Sampled)
152	50-004-01	908.9	Y	1994	3.68	0.33	91%	438.5	
039	50-005-01	319.8	Y	1994	0.91	0.00	100%	0.0	
050	50-005-02	232.9	Y	1994	0.06	0.00	100%	0.0	
048	50-005-03	320.0	Y	1994	0.26	0.23	10%	49.8	
037	50-005-04	309.6	Y	1994	1.49	0.67	55%	203.2	
011	50-005-05	747.0	Y	1994	1.95	1.27	35%	411.0	
078	50-005-06	502.0	Y	1994	1.56	0.45	71%	128.1	
134	50-006-01	397.2	Y	1994	4.53	1.17	74%	132.8	
143	50-006-02	359.3	Y	1994	5.50	1.17	79%	130.1	
141	50-006-03	640.3	Y	1994	3.55	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (72.7% Sampled)
063	50-007-01	6472.6	Y	1994	1.56	0.14	91%	19.4	
116	50-007-02	5716.7	Y	1994	15.11	2.50	83%	209.9	
020	50-008-01	7261.2	Y	1994	0.34	0.35	-1%	90.3	
024	50-009-01	7058.6	Y	1994	1.13	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
060	50-009-02	4271.8	Y	1994	3.57	1.98	45%	64.8	
030	50-009-03	965.3	Y	1994	4.15	1.25	70%	96.8	
194	50-009-04	317.0	N	1999	5.19	2.32	55%	129.8	
211	50-009-05	1479.4	Y	1994	1.54	1.85	-20%	95.6	
104	50-010-01	784.2	N	1995	2.42	0.00	100%	0.0	
102	50-010-02	5327.1	N	1994	1.80	3.75	-108%	224.7	
055	50-010-03	5851.6	Y	1994	1.31	0.43	67%	68.0	
148	50-010-04	7159.0	Y	1994	4.76	2.88	40%	178.6	
193	50-010-05	2111.3	N	2001	1.31	0.00	100%	0.0	
112	50-011-01	1747.7	Y	1994	2.76	0.87	69%	161.9	
075	50-011-03	14337.8	Y	1994	5.79	4.10	29%	438.1	
089	50-011-04	4066.0	Y	1994	5.21	1.14	78%	200.3	
202	50-011-06	638.0	N	1999	0.02	0.54	-3506%	99.3	
120	50-012-01	1021.5	Y	1994	4.06	6.88	-70%	210.0	
114	50-013-01	1362.6	Y	1994	24.22	1.10	95%	288.2	
077	50-014-01	1520.4	Y	1994	1.37	0.45	67%	111.0	
188	50-015-01	3276.4	Y	1994	2.62	0.00	100%	0.0	
168	50-015-02	2554.5	Y	1994	5.28	1.22	77%	220.9	
129	50-016-01	1497.3	Y	1994	15.11	2.37	84%	256.7	
091	50-017-01	895.0	Y	1994	3.22	1.39	57%	151.2	
187	50-018-01	5901.5	Y	1994	2.82	2.59	8%	265.5	
186	50-018-02	6594.0	Y	1994	3.54	2.64	25%	236.5	
179	50-018-03	9062.3	Y	1994	1.98	1.39	30%	156.7	
015	50-018-04	1913.1	Y	1994	3.88	0.84	78%	86.5	
016	50-018-05	1827.1	N	1995	3.64	5.38	-48%	676.8	
014	50-018-06	1255.1	Y	1994	1.46	0.86	41%	115.1	
005	50-018-07	1117.4	Y	1994	2.12	0.66	69%	144.5	
006	50-018-08	3208.6	Y	1994	2.28	0.86	62%	125.0	
019	50-018-09	1736.6	Y	1994	4.22	1.01	76%	118.9	
145	50-018-10	8254.4	Y	1994	3.05	1.73	43%	183.7	
159	50-018-11	1871.1	Y	1994	19.73	3.82	81%	253.4	
172	50-018-12	1655.2	Y	1994	1.78	2.97	-66%	212.9	
178	50-018-13	594.3	Y	1994	0.40	2.73	-583%	246.6	
056	50-018-14	569.9	N	1994	2.21	1.70	23%	81.6	
079	50-018-15	757.3	Y	1994	1.12	0.77	32%	151.6	
095	50-018-16	240.0	Y	1994	4.11	0.88	79%	64.3	

Unit Area ID	Basin ID	Basin Acreage	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY2005 % TP Reduction	WY2005 TP Conc. (ppb)	Comments
					Baseline	WY04			
043	50-018-17	488.1	Y	1994	3.10	0.19	94%	209.4	
051	50-018-18	357.7	Y	1994	0.64	1.89	-196%	101.8	
046	50-018-19	314.3	Y	1994	35.32	5.12	85%	187.9	
044	50-018-20	380.6	Y	1994	3.59	2.01	44%	144.4	
001	50-018-21	10416.5	N	1998	1.06	0.58	45%	77.7	
017	50-018-22	4481.2	Y	1994	8.18	0.77	91%	109.7	
054	50-018-23	2946.0	Y	1994	2.22	0.98	56%	115.3	
053	50-018-24	3800.3	Y	1994	1.96	0.61	69%	92.1	
052	50-018-25	3808.4	Y	1994	4.99	1.10	78%	171.4	
067	50-019-01	568.4	Y	1994	1.54	0.16	89%	43.6	
036	50-019-02	1210.0	Y	1994	1.38	1.54	-12%	219.7	
031	50-019-03	1051.4	Y	1994	0.58	0.28	51%	107.8	
164	50-020-01	320.0	Y	1994	3.32	3.60	-8%	222.0	
111	50-021-01	2558.0	Y	1994	8.92	4.31	52%	350.2	
049	50-022-01	320.0	Y	1994	0.80	0.03	96%	37.9	
139	50-023-01	278.0	Y	1994	11.83	2.01	83%	315.2	
032	50-024-01	574.0	N	1995	6.43	0.98	85%	94.3	
153	50-025-01	823.7	Y	1994	3.68	3.51	4%	653.0	
072	50-027-01	2771.8	Y	1994	2.40	1.17	51%	131.9	
140	50-027-02	798.5	Y	1994	1.22	1.24	-1%	104.3	
147	50-027-03	1353.1	Y	1994	2.32	1.10	53%	212.6	
144	50-027-04	2520.0	Y	1994	2.10	0.74	65%	191.8	
086	50-028-01	220.0	Y	1994	14.54	1.20	92%	64.6	
094	50-029-01	530.6	Y	1994	4.30	1.78	59%	109.1	
156	50-030-01	446.1	Y	1994	14.14	4.31	70%	229.0	
107	50-031-01	1608.9	Y	1994	2.56	1.30	49%	81.7	
150	50-031-02	1387.0	Y	1994	5.48	3.92	28%	336.5	
151	50-031-03	602.4	Y	1994	8.57	3.41	60%	254.7	
096	50-032-01	305.7	Y	1994	0.84	0.94	-12%	117.7	
167	50-033-02	1158.8	Y	1994	12.52	4.39	65%	443.2	Acreage represents the portion of 50-033-02 that falls within the EAA basin baseline boundaries.
065	50-034-01	7897.1	Y	1994	1.68	0.44	74%	59.6	
069	50-034-02	600.5	Y	1994	3.37	0.33	90%	66.9	
070	50-034-03	4611.8	Y	1994	4.08	0.60	85%	64.6	
071	50-034-04	4138.0	Y	1994	1.54	0.66	57%	95.6	
137	50-035-01	478.5	Y	1994	5.74	2.48	57%	144.0	
115	50-035-02	1634.3	Y	1994	5.40	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (28.1093424657534% Sampled)
208	50-035-03	205.5	N	1999	8.71	6.00	31%	101.6	
169	50-037-01	1663.4	Y	1994	6.70	0.00	100%	0.0	
160	50-038-01	1285.0	Y	1994	3.71	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (45.8% Sampled)
083	50-039-01	62.5	N	1995	4.01	1.18	70%	143.6	
084	50-039-02	143.1	N	1995	4.25	2.02	52%	77.0	
184	50-040-01	216.2	N	1995	1.40	1.02	27%	105.4	
183	50-040-02	498.6	N	1995	3.61	0.00	100%	0.0	
149	50-041-01	108.8	N	1998	2.69	1.14	57%	141.1	
057	50-041-02	300.4	N	1998	2.44	15.75	-547%	91.1	
034	50-042-01	320.0	N	1995	0.14	0.45	-213%	79.9	
176	50-044-01	2168.8	N	1996	5.02	2.87	43%	338.3	
087	50-045-01	281.8	N	1995	4.35	1.78	59%	215.2	
085	50-045-02	160.6	N	1995	1.41	2.40	-70%	262.5	
056	50-046-01	35.0	N	1994	2.21	1.70	23%	81.6	
161	50-047-01	630.3	N	1996	1.46	1.53	-5%	166.6	
163	50-047-02	640.0	N	1995	0.84	3.65	-333%	305.8	
157	50-047-03	1832.0	N	1997	0.44	0.91	-108%	122.3	
136	50-047-04	198.5	N	1996	0.68	0.16	77%	41.2	
162	50-047-05	314.0	N	1997	0.55	2.53	-359%	138.9	
155	50-047-07	3494.2	N	1996	0.67	1.19	-77%	161.2	
158	50-047-08	1557.7	N	1996	0.96	1.92	-99%	138.2	
074	50-048-01	1185.1	N	1995	1.25	0.92	26%	94.1	
090	50-048-02	640.0	N	1995	0.36	2.04	-463%	242.1	
180	50-049-01	1909.0	N	1996	2.35	3.45	-47%	349.7	
022	50-050-01	1280.0	N	1996	0.36	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
110	50-051-01	811.4	N	1995	0.97	0.44	55%	71.6	
146	50-053-01	148.9	N	1995	5.16	0.78	85%	271.8	
170	50-054-01	7599.7	N	1996	0.84	0.80	4%	214.5	
173	50-054-02	960.0	N	1996	0.50	4.09	-725%	607.3	

Unit Area ID	Basin ID	Basin Acreage	Early Baseline	Baseline Year	Rain Adjusted Unit Area Load (lbs/ac)		WY2005 % TP Reduction	WY2005 TP Conc. (ppb)	Comments
					Baseline	WY04			
130	50-054-03	1227.2	N	1996	0.35	0.07	80%	66.1	
127	50-054-04	3684.3	N	1996	0.82	2.01	-144%	177.7	
073	50-055-01	392.9	N	1997	0.86	0.31	64%	78.3	
142	50-055-02	810.4	N	1999	0.45	0.66	-45%	51.7	
121	50-055-03	2871.2	N	1996	0.74	0.72	2%	103.0	
105	50-056-01	849.8	N	1996	0.98	1.33	-35%	93.8	
097	50-058-01	157.0	N	1995	0.02	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
180	50-059-01	9613.9	N	1996	2.35	3.45	-47%	349.7	
181	50-059-02	1767.6	N	1997	1.07	1.66	-54%	141.7	
182	50-059-03	709.5	N	1996	1.65	5.29	-220%	587.4	
185	50-059-04	306.1	N	1996	1.14	4.12	-261%	296.9	
068	50-060-01	8137.2	N	1995	0.18	0.15	14%	29.2	
109	50-060-02	7613.8	N	1995	0.75	0.00	100%	0.0	
117	50-061-01	639.5	N	1995	1.44	0.26	82%	182.3	
076	50-061-03	3434.3	N	1995	0.76	0.70	8%	74.4	
045	50-061-05	313.7	N	1995	1.89	0.06	97%	58.6	
098	50-061-06	237.0	N	1995	1.68	0.25	85%	121.2	
092	50-061-07	318.2	N	1995	1.24	1.23	1%	85.2	
135	50-061-08	375.2	N	1999	1.76	1.14	35%	111.0	
027	50-061-10	23044.0	N	1996	0.49	0.16	67%	47.6	
026	50-061-11	12372.5	N	1995	0.95	0.24	75%	96.4	
099	50-061-12	730.0	N	1995	2.55	0.55	79%	112.9	
100	50-061-13	1059.6	N	1995	1.16	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (66.8048518965286% Sampled)
132	50-061-15	6760.2	N	1995	1.91	1.19	38%	190.4	
177	50-061-17	1598.1	N	1995	12.22	7.33	40%	459.1	
108	50-061-18	1555.1	N	1995	9.82	0.72	93%	60.7	
102	50-061-20	156.1	N	1994	1.80	3.75	-108%	224.7	
033	50-062-01	4625.8	N	1996	0.20	0.35	-78%	66.5	
066	50-062-02	10754.2	N	1996	0.46	0.59	-27%	82.4	
080	50-062-03	1188.3	N	1996	0.54	0.48	11%	69.4	
101	50-062-04	901.2	N	1996	0.26	0.71	-176%	113.6	
062	50-062-05	5249.6	N	1996	0.41	0.89	-116%	111.2	
058	50-062-07	4041.6	N	1996	1.41	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
025	50-062-08	9119.9	N	1996	0.51	0.21	59%	35.3	
064	50-062-09	7658.9	N	1997	0.22	0.59	-168%	155.1	
061	50-062-10	8772.4	N	1997	0.72	0.34	52%	40.7	
035	50-062-11	1276.6	N	1996	0.44	0.29	34%	57.7	
041	50-063-01	9792.2	N	1996	0.45	0.36	19%	65.1	
113	50-064-01	898.7	N	1997	2.98	0.00	100%	0.0	
113	50-064-03	145.0	N	1997	2.98	0.00	100%	0.0	
113	50-064-04	1150.4	N	1997	2.98	0.00	100%	0.0	
118	50-065-02	938.1	N	1995	3.64	0.63	83%	103.1	
113	50-065-03	3751.7	N	1997	2.98	0.00	100%	0.0	
119	50-065-05	929.8	N	1997	2.98	1.50	50%	305.0	
122	50-065-06	453.9	N	1997	2.98	0.74	75%	264.0	
081	50-065-07	513.0	N	1995	3.92	2.12	46%	190.6	
113	50-065-08	628.0	N	1997	2.98	0.00	100%	0.0	
106	50-065-10	792.3	N	1995	1.55	0.68	56%	105.6	
059	50-066-01	1233.6	N	1995	2.13	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
010	50-067-01	1143.9	N	1996	0.40	0.12	70%	35.6	
042	50-067-02	10257.1	N	1996	0.94	0.37	61%	54.1	
028	50-067-03	681.6	N	1996	1.02	0.43	58%	24.4	
029	50-067-04	3819.5	N	1996	0.55	0.82	-48%	96.2	
007	50-067-05	7322.6	N	1996	0.42	0.26	38%	35.6	
197	50-067-06	1277.2	N	1999	0.49	0.24	51%	25.4	
198	50-067-07	1975.5	N	1999	0.54	0.16	70%	17.3	
203	50-067-09	1277.7	N	1999	0.54	0.04	92%	36.0	
204	50-067-10	2551.8	N	1999	1.21	0.88	28%	111.5	
205	50-067-11	6179.0	N	1999	0.85	0.27	68%	37.4	
189	50-067-13	685.3	N	1997	2.29	Unable to Calculate	Unable to Calculate	Unable to Calculate	<75% annual load sampled (0% Sampled)
175	50-068-01	2615.8	N	1996	1.13	1.22	-8%	189.2	
171	50-068-02	1998.1	N	1997	2.30	2.27	1%	327.4	
038	50-069-01	317.5	N	1996	1.06	1.00	6%	126.8	
088	50-070-01	245.0	N	1995	3.82	3.18	17%	225.0	
082	50-070-02	244.0	N	1995	3.09	3.61	-17%	382.5	
126	50-073-01	67.8	N	2001	Unable to Calculate	0.00	Unable to Calculate	0.0	
209	50-078-01	71.6	N	1999	8.71	3.86	56%	136.0	
206	50-081-01	210.0	N	2004	Baseline Year	0.82	Unable to Calculate	87.5	
212	50-082-01	484.5	N	1995	9.82	0.25	97%	30.6	

Table 2. Best Management Practice (BMP) summary and “BMP equivalent” points for the EAA and C-139 basins.

BMP	PTS	DESCRIPTION
NUTRIENT CONTROL PRACTICES		MINIMIZES THE MOVEMENT OF NUTRIENTS OFF-SITE
Nutrient Application Control	2 ½	Controlled application of nutrients with a 4' setback from canals: banding, pneumatic application - AIRMAX; fertigation; and fertilization placement near root under plastic.
Nutrient Spill Prevention	2 ½	Formal spill prevention protocols (storage, handling, transfer, and education/instruction).
Successive Vegetable Planting to Minimize P	2 ½	Successive planting of high P/low P demand crops to avoid P build up and no successive P application.
Plant Tissue Analysis	2 ½ 5	Determines plant nutrient requirements next growing season (crop specific). Citrus only – because plant tissue analysis provides information on current season, additional points are allowed.
Nutrient Application Control	5	Determine the P requirements of the soil and follow standard recommendations for application rates (crop specific).
Split Nutrient Application	5	Applying small portions of P at various times without exceeding the total recommendation.
Slow Release P Fertilizer	5	Specially treated fertilizer.
Reduced P Fertilization	5	P application rate is at least 30% below the recommendation.
No Nutrients Imported Via Direct Land Application	15	No application of P in any form. Native and semi-improved range may apply fertilizer at maintenance levels every 6-8 years.
No Nutrients Imported Indirectly Through Cattle Feed	15	No P import to the basin through cattle feed (Note: native range is not excluded by use of mineral supplements or molasses).
Nutrient Management Plan	Up to 35	Managing the amount, source, placement, form, and timing of the application of nutrients on lands with cattle operations.
WATER MANAGEMENT PRACTICES		MINIMIZES THE VOLUME OF OFF-SITE DISCHARGES
½ Inch Detained 1 Inch Detained	5 10	Delay discharge (based on measuring daily rain events using a rain gauge).
Improved Infrastructure	5	Recirculate water inside farm boundaries to improve water quality prior to offsite discharge (e.g., rice and vegetables); fallow field flood water with no direct discharge (instead allow to “drain” via evapotranspiration, seepage, use as irrigation water); or increasing water detention using properly constructed canal berms.
Water Table Management	5	Optimize drainage and irrigation schedules and/or by using low volume irrigation methods to decrease discharge.
Approved and Operational Surface Water Reservoir	35	Properly permitted, constructed, and maintained storage system meeting specified ERP Basis of Review criteria (version in effect at the time of permitting or in effect at the time of permit modification for modified systems):
Temporary Holding Pond	15	Temporary agricultural activities (as described in Chapter 40E-400, FAC.) with a properly constructed and permitted temporary holding pond.

BMP	PTS	DESCRIPTION
No Direct Discharge	15	Overland sheet flow; no direct discharge.
PARTICULATE MATTER AND SEDIMENT CONTROLS		MINIMIZES THE MOVEMENT OF PARTICULATE MATTER AND SEDIMENTS
Any 2	2 ½	<ul style="list-style-type: none"> • Leveling fields • Slow drainage velocity near pumps • Grassed swales/field ditch connections • Ditch bank berms • Canal cleaning program • Aquatic weed control • Field ditch drainage sumps
Any 4	5	<ul style="list-style-type: none"> • Barriers at discharge locations • Ditch bank stabilization • Sediment sump/trap in canals
Any 6	10	<ul style="list-style-type: none"> • Maintain forage to reduce soil erosion/range seedings • Soil stabilization through infrastructure improvements
Any 8	15	<ul style="list-style-type: none"> • Cover crops • Culvert bottoms above ditch bottoms • Vegetated ditch banks
PASTURE MANAGEMENT		ON-FARM SITE OPERATION AND MANAGEMENT PRACTICES
	2 ½	<ul style="list-style-type: none"> • Restricted placement of feeders, cowpens, or feed and water to reduce "hot spots" near drainage ditches (2 ½ points each)
	2 ½	<ul style="list-style-type: none"> • Provide shade structures to prevent cattle in waterways
	5	<ul style="list-style-type: none"> • Low cattle density (1 head/2 acres, non-irrigated pasture)
	5	<ul style="list-style-type: none"> • Reduced P in feed (by a minimum of 20%)
	10	<ul style="list-style-type: none"> • Restrict cattle from waterways through fencing of canals in a manner that protects the discharge water quality
Urban Xeriscape	5	Use of plants that required less water and fertilizer
Detention Pond Littoral Zone	5	Vegetative filtering area for on-site stormwater runoff.
Other BMPs	TBD ³	BMPs proposed by permittee and accepted by SFWMD.

Notes:

A BMP plan is required for each land use or crop, and shall be implemented across the entire farm acreage (drainage area).

¹ For the EAA basin, a minimum of 25 points is required for each BMP plan.

² For the C-139 basin, the minimum required points for each BMP plan are based on compliance status as follows:

- Level I: Initial phase 15 points for each BMP plan.
- Level II: First incidence out of compliance, no additional BMPs; however, onsite verification of BMPs begin. Frequency of visits based on compliance record.
- Level III: Second incidence out of compliance, 10 additional BMP points for each BMP plan (25 points total).
- Level IV: Third incidence out of compliance, 10 additional BMP points for each BMP plan (35 points total)

³ TBD - To be determined.

Table 3. Everglades Agricultural Privilege Tax credits for the EAA basin.¹

**Everglades Agricultural Privilege Tax
Area-Wide Incentive Credit Schedule**

Calendar Year	Water Year	Min. Phos. Reduction Required (%)	Actual Phos. Reduction Achieved (%)	Credits Earned	Total Credits (Cumulative)	Credits Used	Credit Balance	Fiscal Year
1994	1993	25	44	19	19.00	0.00	19.00	FY95
1995	1994	25	17	0	19.00	0.00	19.00	FY96
1996	1995	25	31	6	25.00	0.00	25.00	FY97
1997	1996	25	68	43	68.00	0.00	68.00	FY98
1998	1997	25	49	24	92.00	3.91	88.09	FY99
1999	1998	25	34	9	97.09	3.91	93.18	FY00
2000	1999	25	49	24	117.18	3.91	113.27	FY01
2001	2000	25	55	30	143.27	3.91	139.36	FY02
2002	2001	25	73	48	187.36	10.02	177.34	FY03
2003	2002	25	55	30	207.34	10.02	197.32	FY04
2004	2003	25	35	10	207.32	10.02	197.30	FY05
2005	2004	25	64	39	236.30	10.02	226.28	FY06
2006	2005	25			226.28	15.55	210.73	FY07
2007	2006	25			210.73	15.55	195.18	FY08
2008	2007	25			195.18	15.55	179.63	FY09
2009	2008	25			179.63	15.55	164.08	FY10
2010	2009	25			164.08	15.55	148.53	FY11
2011	2010	25			148.53	15.55	132.98	FY12
2012	2011	25			132.98	15.55	117.43	FY13
2013	2012	25			117.43	15.55	101.88	FY14

Note: Water Year 2003 (Calendar Year 2004 / FY2005) subject to Governing Board approval at 09/07/04 public hearing.

Water Year 2003 = May 1, 2002 to April 30, 2003

Additional Information of Interest

Per Acre Charge	Years	Area-Wide Incentive Credit	Min. Phos. Reduction Required
\$24.89	1994 - 1997	0.33	25%
\$27.00	1998 - 2001	0.54	25%
\$31.00	2002 - 2005	0.61	25%
\$35.00	2006 - 2013	0.65	25%
\$25.00	2014 - 2016	N/A	N/A
\$10.00	2017	N/A	N/A

Note:

1. Vegetable classified acreage is never charged more than \$24.89 pre acre.
2. Vegetable classified acreage is not eligible for incentive credits.
3. The minimum per acre charge will never drop below \$24.89 through Nov 2013. If incentive credits would cause the per acre charge to drop below \$24.89, any earned, unused credits will be carried forward and applied to the following year.
4. Any unused or excess incentive credits remaining after certification of the Everglades agricultural privilege tax roll for the tax notices mailed in November 2013 shall be canceled.
5. The annual Everglades agricultural privilege tax for the tax notices mailed in November 2014 through November 2016 shall be \$25 per acre and for tax notices mailed in November 2017 and thereafter shall be \$10 per acre.

Florida Statute 373.4592, EFA

Calculating Credits:

1994 - 1997	N/A
1998 - 2001	$\$27.00 - \$24.89 = \$2.11 / .54 = 3.91$
2002 - 2005	$\$31.00 - \$24.89 = \$6.11 / .61 = 10.02$
2006 - 2013	$\$35.00 - \$24.89 = \$10.11 / .65 = 15.55$

¹ Calculated in accordance with the Everglades Forever Act, Section 373.4592(6), Florida Statutes.

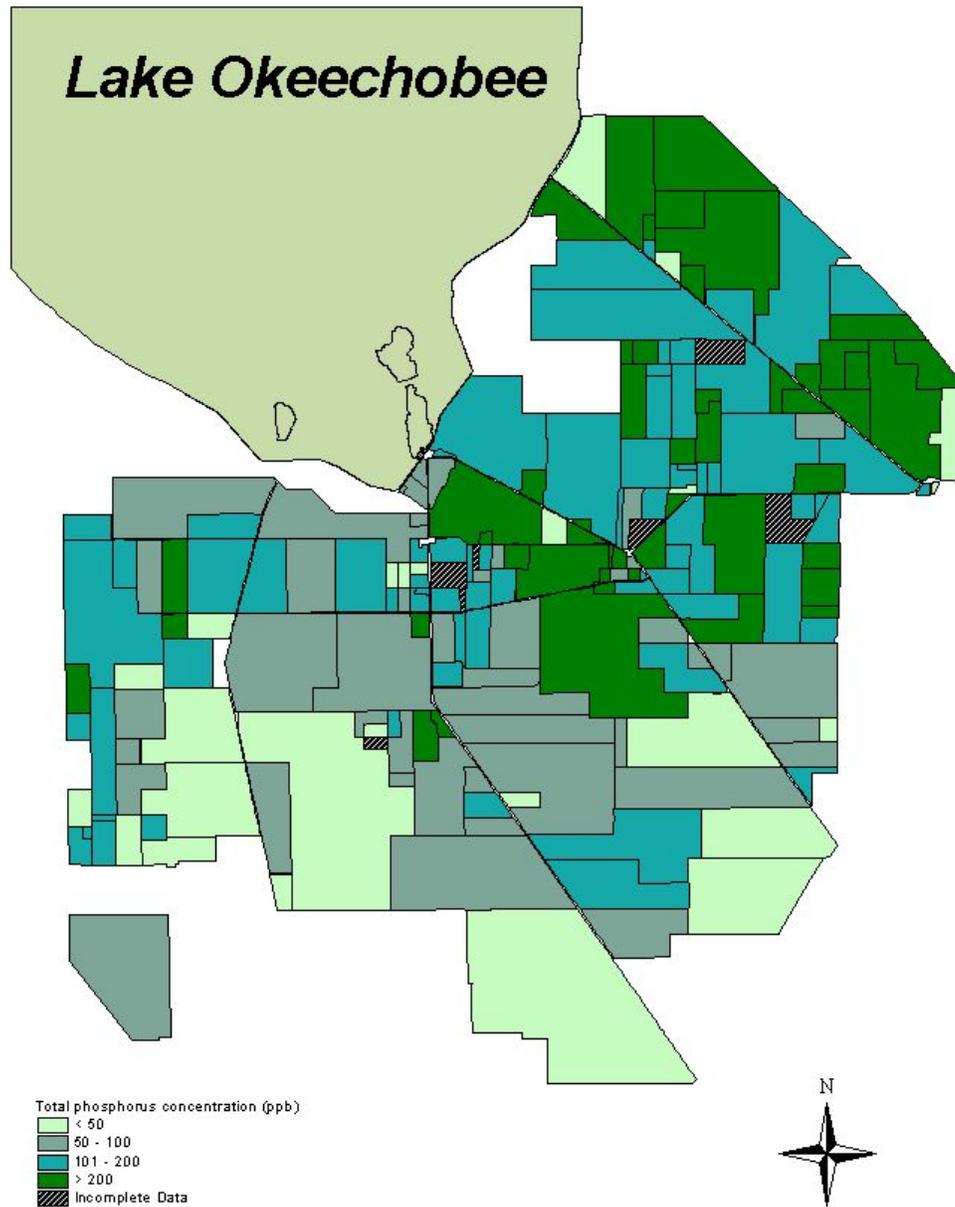


Figure 1. Total phosphorus (TP) concentrations (ppb) in the EAA.

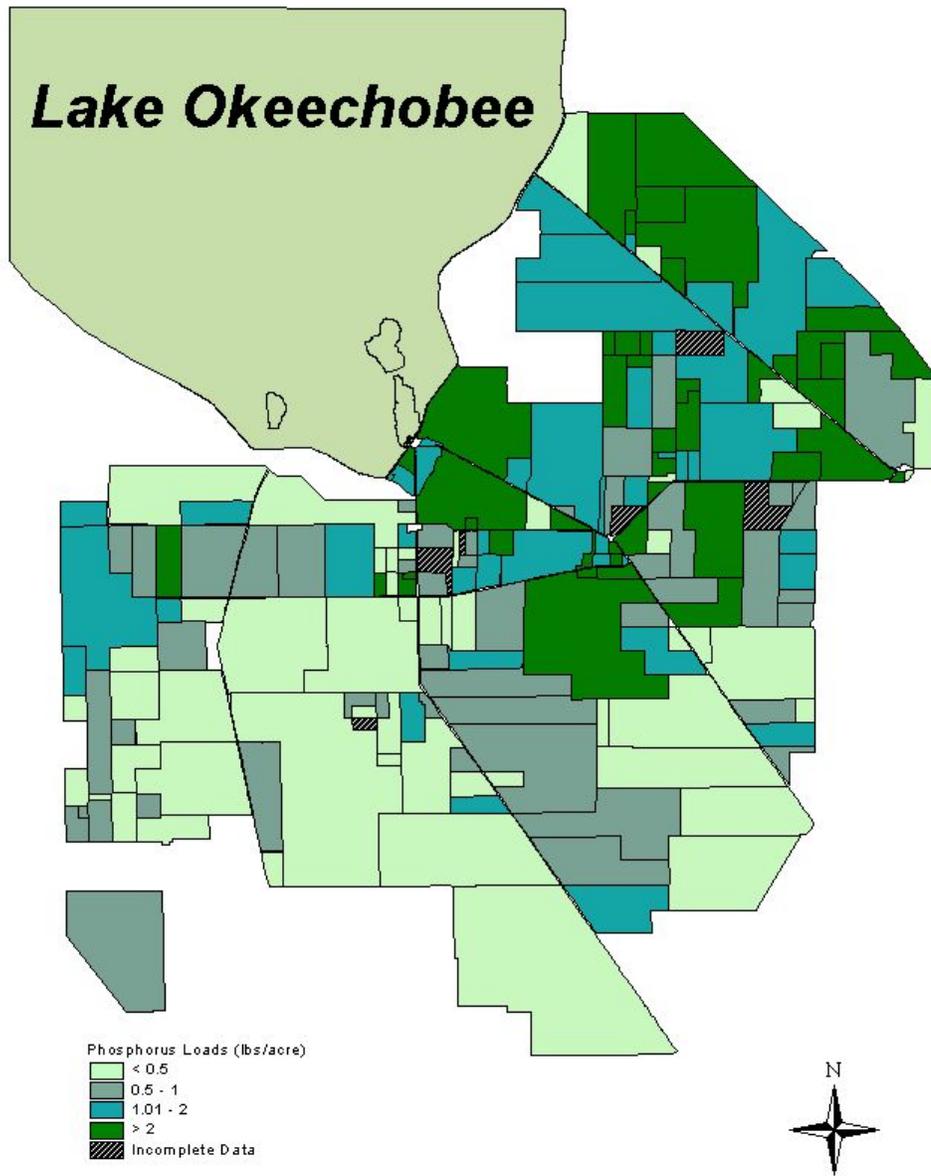


Figure 2. TP loads (lbs/ac) in the EAA.